

ADDITIONAL NOTES ON THE GENUS PRIVA. III

Harold N. Moldenke

PRIVA Adans.

Literature: Biol. Abst. 25: 4061. 1954.

PRIVA AFRICANA Moldenke

The Van Dam s.n. [Dec. 1924] specimen cited in Phytologia 5: 63 as in the Britton Herbarium is actually in the H. N. Moldenke herbarium at Yonkers, New York, instead.

PRIVA LAPPULACEA (L.) Pers.

Additional citations: TABOGA ISLAND: Woodson, Allen, & Seibert 1454 (F--967079, N). CUBA: Havana: Ekman 342 (N). HISPANIOLA: Haiti: Herb. Mus. Bot. Lund. s.n. [Hispaniola] (Lu); Jacquemont s.n. [S. Domingo, 1827] (P, P); Poiteau s.n. [St. Dominique] (P); L. C. Richard s.n. [S.-D.] (P); Swartz s.n. [St. Dom.] (Dc--362). PUERTO RICO: Collector undesignated 157 (Sg--68280), s.n. (Dc); A. A. Heller 6181 (Ed, F--129367); Heller & Heller 149 (Bz--23025, F--119526); Sintenis 157 (Lu, Mu--3771); Spiegelberg s.n. [October 22, 1927] (It); Vélez 1574 (N). CRAB ISLAND: Shafer 2425 (Gg--31235). ST. THOMAS: Collector undesignated s.n. (Mu--443); Crudy s.n. (Mu--1284); Eggers 26 (Lu), 365 (Pa), 586 (Br, Gg--241728, Mu--1418, P, Vu), s.n. [Dec. 1806] (N), s.n. [1885] (Mu--3720); Krebs s.n. [St. Thomas] (Ol, Us); Ledru 6 [Herb. Jussieu 5093] (P, P), s.n. (P); Riédlé 212 (P), s.n. [St. Thomas] (P, P, P); Swartz 57 (Q). ST. CROIX: Herb. Univ. Christian. s.n. (Ol); A. E. Ricksecker 167 (Du--210259, F--70495, Ob--14869); L. A. Ricksecker 131 (Ed, F--87777). ST. BARTHOLOMEW: Hemendorff 2 (S); Questel 15 (N), 252 (N), 354 (N). MONTERRAT: Shafer 138 (F--293797). GADELOUPE: Beaupertuis s.n. [1839] (P, P); Duchassaing s.n. (V, V); Duss 305 (P); Herb. Sullivant s.n. [Guadeloupe] (Pa); L'Hérminier s.n. [Mai, 1843] (P); Quentin 61 (P, P), 387 (P); L. Rodriguez 2706 (P, P). DOMINICA: Hodge 873 (N). MARTINIQUE: Bordas 122 (P); Hahn 955 (P, P, Pa), 962 (V); Sieber Fl. Mart. 316, in part (Br, Mu--444, P). ST. VINCENT: Smith & Smith 714 (Ed). GRENADA: Eggers 6300 (P). TRINIDAD: W. E. Broadway s.n. [November, 1904; Herb. Thenensis I:4506] (Br); Fendler 573 (Pa), s.n. [1877--80] (Ed); Moldenke & Moldenke 19566 (Es, Es, N); N. W. Simmonds 214 (R--13980); E. Wall s.n. [Port-of-Spain, 20/5/27] (Ew). CURACAO: Realino s.n. (N). MARGARITA ISLAND: Miller & Johnston 96 (F--126672, P, Po--64688). WEST INDIES: Island undesignated: Bucquet s.n. [Antilles] (P); Collector undesignated s.n. (P); Herb. Adanson s.n. (P, P); Herb. Mus. Bot. Lund. s.n. [ex Antilles Dania] (Lu); Plée s.n. [West

Indies] (P, P); Ponthieu s.n. (Ls); Swartz s.n. (Mu--442). COLOMBIA: Antioquia: Archer 1447 (Fn--2621); Barkley & Gutierrez Villegas 1779 (N); Blackman, Mejía Jaramillo, & Barkley 17C310 (Fn--3219, N); Daniel 3903 (F--1296266); Gutierrez Villegas & Barkley 17C073B (Fn); Sierra Soto & Barkley 17C053 (Fn--3410, N). Atlántico: Araque Molina, Brava Lopez, & Salz A.443 (N); Fosberg 22133 (N). Bolívar: Billberg s.n. [Carthagena, 1832] (Us); Cervantes, Araque Molina, & Barkley 19Bo064 (N); García-Barriga 13455 (W--2026280); Goudot s.n. [Manga] (P); Herb. Mus. Bot. Lund. s.n. [Carthagena] (Lu, Lu). Cundinamarca: Mutis 3689 (Cb). Huila: Galen Smith 1166 (W--2047511). Magdalena: Giacometto 1012 (N); H. H. Smith 545 (Br, Cm, Ed, F--137601, P, Vt), 1465 (Cm, F--138365, P); E. Wall s.n. [13/2/47] (Ew, Ew). Norte de Santander: Garganta Fábrega 1094 (F--1294393). Valle del Cauca: Toro Toro 328 (Fn--1650). Department undetermined: Apolinar-María 333 [Espina] (F--990190). VENEZUELA: Anzoátegui: Potter 5156 (Ms). Aragua: Vogl 390 (Mu). Bolívar: Cardona 603 (Ve--12805); T. A. Sprague s.n. [Ciudad Bolívar, Nov. 1898] (K). Carabobo: Engstedt 17 (S); L. Williams 11006 (F--954968). Delta Amacuro: Rusby & Squires 306 (Ed, F--49067, F--160973, Mu--3702, Vu). Falcón: Tamayo 953 (Ve). Federal District: Vargas 72 (Dc). Lara: Saer 580 (Ve). Mérida: E. Reed 983 (W--1618601). Sucre: Funck 53 (P). BRITISH GUIANA: Potter 5439 (Ms). SURINAM: Collector undesignated s.n. (Ed); Kegel 73 (Gt); Lanjouw 14 (N); Moldenke & Moldenke 19585 (Es, Es, N); Splitgerber s.n. [1837] (P). FRENCH GUIANA: Leprieur s.n. [Cayenne, 1836] (P), s.n. [1840] (Dc); L. C. Richard s.n. [Cay. et Antill.] (P); Sagot s.n. [Kourou, 1854] (P), s.n. [Cayenne, 1859] (P). ECUADOR: Guayas: Asplund 5129 (S); Bonpland s.n. (P); W. H. Camp E.3577 (N); Jameson s.n. [Republic of Ecuador; Reichenbach f. 125274] (V); Mille 55 (F--920235). Los Ríos: Asplund 5596 (S); Harling 265 (S). GALAPAGOS ISLANDS: Charles Island: Schimpff 151 (P, S); A. Stewart 3312 (Gg--31234). PERU: Cajamarca: Raimondi 2075 (B). Huánuco: Asplund 12096 (S). BRAZIL: Mattogrosso: F. C. Hoehne, Com. Rondon 5697 [Herb. Rio de Janeiro 14852] (Ja, N); Lindman 2491 (Lu), A.2491 (Us). Pará: G. A. Black 47-2194 (N). BOLIVIA: El Beni: H. H. Rusby 1784 (Ed, F--162478, Pa, Pr). La Paz: M. Bang 1375 (Ed, F--163726, Mu--1774, Pa); H. H. Rusby 1785 (Pa); G. H. H. Tate 581 (N). Department undetermined: Xavier 63 (Ja--46791). JAVA: C. A. Backer 30487 (Bz--23016, Bz--23017); Den Berger 792 (Bz--23020, Bz--23021, Bz--23022, Bz--23023, Bz--23024, Bz--25625); Rant s.n. [1927] (Bz--23018), s.n. [2.VII.1928] (Bz--23019). CULTIVATED: Belgium: Herb. Jard. Bot. Brux. s.n. (Br); Nyst s.n. (Br). Java: H. Hallier D.583 (Bz--23014, Bz--23015); Herb. Hort. Bot. Bogor. XV.K.A.XLVI.5 (Bz--23013), XV.K.A.XLVI.15 (Bz--26465, Bz--26466), XV.K.A.XLVII.5 (Bz--26473). LOCALITY OF COLLECTION UNDETERMINED: Afzelius s.n. (B); Baudin s.n. (P); Herb. Burnet s.n. (B); Herb.

Sprengel s.n. (B); Léman s.n. [1825] (Dc); Lévy 111 (P); Née 60 [N. Hispania] (Q); Pourret s.n. (P); Swartz s.n. (S); Wydler 77 (Dc).

PRIVA MEXICANA (L.) Pers.

Literature: Dill., Hort. Elth. 407--408, pl. 302, fig. 389. 1732; L., Sp. Pl., ed. 1, 19. 1753; L., Syst. 66. 1784; Gaertn., Fruct. & Sem. Pl. 1: 265, pl. 56, fig. 1. 1788; Lam., Tabl. Encycl. Méth. Bot. 1: 59. 1791; Moench, Meth. 423. 1794; Lam., Rec. Planch. Bot. pl. 17, fig. 1. 1797; Willd., Sp. Pl. 1: 116. 1797; A. L. Juss., Ann. Mus. Hist. Nat. Paris 7: 70. 1806; Bot. Zeit. Regensb. 5: 321--330. 1806; Poir., Dict. 8: 845. 1808; Roem., Collect. 118. 1809; M. Mirbel, Ann. Mus. Hist. Nat. Paris 15: 250, pl. 14 (2), fig. 2. 1810; H.B.K., Nov. Gen. & Sp. Pl. 2: 278. 1818; Steud., Nom. Bot. 111 & 873. 1821; Lam., Illustr. Gen. 1: pl. 17, fig. 1. 1823; Schau. in A. DC., Prodr. 11: 534 & 556. 1847; Kobuski, Ann. Mo. Bot. Gard. 13: 20. 1926; Junell, Symb. Bot. Upsal. 4: 40 & 42. 1934; Moldenke in Fedde, Repert. 41: 58--61. 1936; Moldenke, Prelim. Alph. List Invalid Names 7, 38, 45, 47, 54, & 55. 1940; Moldenke, Suppl. List Invalid Names 9. 1941; Moldenke, Alph. List Invalid Names 6, 39, 46, 48, 57, & 58. 1942; Moldenke, Phytologia 2: 111. 1944; Leavenworth, Am. Midl. Nat. 36: 187. 1946; Moldenke, Alph. List Invalid Names Suppl. 1, 2. 1947.

Illustrations: Dill., Hort. Elth. pl. 302, fig. 389. 1732; Gaertn., Fruct. & Sem. Pl. 1: pl. 56, fig. 1. 1788; Lam., Rec. Planch. Bot. pl. 17, fig. 1. 1797; M. Mirbel, Ann. Mus. Hist. Nat. Paris 15, pl. 14 (2), fig. 2. 1810; Lam., Illustr. Gen. 1: pl. 17, fig. 1. 1823.

Synonymy: Verbena mexicana trachelii folio fructu aparines Dill., Hort. Elth. 407--408, pl. 302, fig. 389. 1732. Verbena mexicana L., Sp. Pl. ed. 1, 19. 1753. Blairia mexicana (L.) Gaertn., Fruct. & Sem. Pl. 1: 265, pl. 56, fig. 1. 1788. Zapania mexicana (L.) Lam., Tabl. Encycl. Méth. Bot. 1: 59. 1791. Elairia cordifolia Moench, Meth. 423. 1794. Priva hispida A. L. Juss., Ann. Mus. Hist. Nat. Paris 7: 70. 1806. Zappania hispida Zuccagni in Roem., Collect. 118. 1809. Verbena cordifolia Bourgeau ex Moldenke, Prelim. Alph. List Invalid Names 45, in syn. 1940. Verbena mexica Sessé & Moc. ex Moldenke, Suppl. List Invalid Names 9, in syn. 1941.

The type of Verbena mexicana L., on which this species is based, is a specimen in Dillenius' Hortus Elthamensis presently preserved at Oxford University, England, since Linnaeus plainly bases his name on the Verbena mexicana trachelii folio fructu aparines of Dill., Elth. 407, pl. 302, fig. 389. In the Linnean Herbarium, London, specimen number 4, under genus 35, Verbena, is labeled "mexicana" in Linnaeus' own handwriting and is what we now call Priva mexicana. This specimen has by many been regarded as the type of the species and is, in fact, so cited in the present notes. In the Naturhistoriska Riksmuseum, Stockholm,

are presently preserved two more specimens from Linnaeus' herbarium and apparently collected by him from cultivated material in Sweden -- probably from his own garden at Uppsala. The first sheet has on its front in ink on the top of the sheet "(VERBENA mexicana Linn)" and in pencil near the bottom "Verbena 5 mexicana L. sp. pl. 19 = Priva mexicana Pers. (syn. P. hispida Juss.)" and in ink at the bottom, in an unknown hand, "Priva mexicana Pers." On its reverse side one finds in pencil "Linné herb." and in ink (unknown hand) "Verbena diandra, spicis laxis, calycibus fructus reflexis rotundato-didymis hispidis. Linn. Spec. plant. 19.5." and in ink in another hand "Priva hispida Juss." and in ink in still another hand "Priva mexicana Pers." and, finally, in ink in what is probably Linnaeus' own handwriting "Hort." The second sheet has on its front face in Linnaeus' own hand "H. U." and "5" and in ink in another apparently old hand "Mexicana" and in ink in a later handwriting "Priva hispida Juss." On the back side one finds in pencil "Linné herb." and in ink "Herb. Alstroemerii" and "Priva" and in ink in an older hand "(Verbena mexicana)" and in ink in Dahl's handwriting "a Linné f."

The Herb. A. L. Jussieu 5094, cited below, is the type collection of Priva hispida.

Priva mexicana has been collected in milpas, moist canyon bottoms, dense wooded waterways, shaded ravines, wooded mountain ravines, and wooded quebradas, on hills, mountainsides, open mountainsides, rocky mountainsides, and lava fields. Gentry describes it as a plant of the canyons of the Transition and Upper Sonoran life-zones. Stanford, Retherford, & Northcraft found it on valley floors interspersed with arroyos and alluvial fans and sparsely covered with Yucca and Larrea. Mueller & Mueller say it is abundant in dense woods. Barkley and his associates found it in rich moist soil of open woodlands, xeric sunny lava and moist rich shady pockets on the pedregal, and in scrubland on limestone mountainside. Standley describes it as an erect or suberect herb 2 to 3 feet tall, growing as a weed in cafetals or in pine forests. Pringle says it grows 3 to 4 feet tall. Lundell calls it "Perennial", while Gentry describes it as 1 to 2 meters tall, with thick hollow stems. Its flowers are described variously as white, pink, lavender, pinkish-lavender, or white with purple on the inside of the upper lip.

The species has been collected at altitudes of 1500 to 2460 meters and 4300 to 8000 feet, in flower in July, August, and September, and in fruit in those same months and also in December. It is often mis-identified as P. lappulacea (L.) Pers. or P. aspera H.B.K., while the Lejeune specimen cited below was identified by someone as Drepania mexicana Pers.

The Wilkinson specimen cited below is not typical. The Stanford, Retherford, & Northcraft 188 collection, also cited below, was probably collected in Zacatecas, although the label states "15 kilo west of Concepcion del Oro on the Coahuila-Zacatecas border."

Additional citations: MEXICO: Chihuahua: H. S. Gentry 2524a

(La); Knobloch 5213 (F--941009); LeSueur 175 (Au, F--837305); Pringle 1354 (Ed, F--104722, Me, Pa, Us, Vt, Vu); E. Wilkinson s.n. [Sta. Eulalia, 1885] (Du--90928). Coahuila: Barkley, Webster, & Rowell 7213 (N); F. W. Pennell 17502 (D--733982, Me, W--1640607); Purpus 1096 (Ed, P, P). Durango: Edw. Palmer 578 (F--51670, Me). Federal District: Arsène 8508 (Br, Ur); Barkley & Rowell 7469 (N); Barkley, Webster, & Rowell 7322 (N); Bilimek 187 (P, P); Bourgeau 119ter (P); G. L. Fisher s.n. [San Angel, July 18, 1924] (Hp); E. Lyonnet 664 (N, W--1642951), 2319 (W--1790968); Miranda & Barkley 16M958 (Au); W. Schaffner 425 (Pa). Hidalgo: Aschenborn s.n. [1840] (Ed); V. H. Chase 7202 (F--1001886), 7329 (F--1001755); M. T. Edwards 760 (F--918316); C. A. Ehrenberg 265 (Vt); Herb. Inst. Biol. Univ. Nac. Mex. 7153 (Me); Lundell & Lundell 12382 (Ld); Pringle 9287 (F--120474, Me, Me, Me, Vt). México: Lundell & Lundell 12351 (N); W. Schaffner 425 (P, P). Nuevo Leon: Abbón s.n. [8-8-1911] (P); Mueller & Mueller 308 (Au, Me), 1131 (Au, F--938902, Me, Mi). Puebla: Arsène 1340 (P, P); Nicolas s.n. [Santa Barbara, 20.6.1910] (P), s.n. [9-8-1911] (Ed); Purpus 3524 (F--276399). Queretaro: Kuntze 23446 (N). San Luis Potosí: Barkley, Rowell, & Paxson 825 (Au); C. L. Lundell 5499 (Dp, Fs, I, La, Mh, Mi, N); Parry & Palmer 713, in part (Ed, F--306899, F--812591, Io, Pa); F. W. Pennell 17880 (N, W--1640824); Purpus 5518 (Ed, F--299188). Sonora: H. S. Gentry 1383 (E--1089214, Ge); S. S. White 2635 (Fs). Tamaulipas: Stanford, Retherford, & Northcraft 772 (Du--286405, N, Se--70270); Stanford, Taylor, & Lauber 2680 (N). Veracruz: Botteri 618 (P); Bourgeau 359, in part (P, P); Pringle s.n. [San Juan del Río, 18 Aug. 1905; Herb. M_onac. 4207] (Mu). Zacatecas: Stanford, Retherford, & Northcraft 188 (Du--289324, N). State undetermined: Galeotti 792, in part; Herb. Linnaeus G.35, S.4 (N--photo of type, S--photo of type, Z--photo of type); Kenoyer A.228 [Teotihuacán] (F--1003494); Bonpland s.n. (P); Collector undesignated 65 [Nova Hispania] (Q); Herb. Adanson s.n. (P, P); Herb. Banks s.n. [1778] (S); Herb. Reichenbach f. 290202 (V); Née 67 [N. Hisp.] (Q); Pavon s.n. [Nueva España] (P); Sessé, Moçino, Castillo, & Maldonado 29 (F--845029, Q), 102 (Q), 107 (F--844948, Q), 133 [85] (F--846464, Q). GUATEMALA: Chimaltenango: P. C. Standley 59129 (F--992524, N), 79812 (N). Guatemala: Aguilar 37 (F--1001115). Sacatepéquez: P. C. Standley 64602 (F--984842, N). JAMAICA: Herb. Banks s.n. (S). MARTINIQUE: Sieber Fl. Mart. 316, in part (Br). CULTIVATED: Belgium: Herb. Martens s.n. [ex hort. meo 1833] (Br); Lejeune s.n. (Br, Br); Nyst s.n. (Br). France: Collector undesignated s.n. [h. M. 30 juillet] (Dc); De la Roche s.n. (Dc); Herb. Decaisne s.n. [h. P.] (Br); Herb. Martius s.n. [P] (Br); Pourret s.n. (P, P); Vendemain s.n. (Ed). Germany: Herb. Hort. Berol. s.n. (Us); Herb. Hort. Erlangen. s.n. [1772] (Mu--448),

s.n. [1785] (Mu--449); Herb. Hort. Reg. [Berol.] s.n. [1766] (Ed); Herb. Mus. Laudisbertensis s.n. (Mu--450, Mu--451); Herb. Zuccarini s.n. [Hort. Bot. Monac.] (Mu--453). Italy: Herb. Jard. de Florence s.n. [10 aout 1808] (Dc). Scotland: Herb. Univ. Edinb. s.n. (Ed). Spain: Collector undesignated 66 (Q), 68 (Q). Sweden: Herb. Mus. Bot. Lund. s.n. [h. R.] (Lu); Linnaeus s.n. (F--2 photos, N--2 photos, S, S, Sg--2 photos, Z--2 photos). LOCALITY OF COLLECTION UNDESIGNATED: Collector undesignated 32 (S), 28-6 (Dc), 2821 (Dc), s.n. [20 juill.] (Dc), s.n. [30 aout] (Dc), s.n. (Dc, Dc, Dc); Herb. De Candolle s.n. (Ol); Herb. A. L. Jussieu 5094 (P, P); Herb. Prager 18661 (Gg--31229); Herb. Schmiedel s.n. (Mu--447).

PRIVA MEYERI Jaub. & Spach

Literature: E. Mey., Comm. Pl. Afr. Austr. 275. 1837; Jaub. & Spach, Ill. Pl. Orient. 5: [57]. 1853--1856; Moldenke in Fedde, Repert. 41: 17--19. 1936; Moldenke, Prelim. Alph. List Invalid Names 38. 1940; Moldenke, Alph. List Invalid Names 39. 1942.

Synonymy: Priva forskœlii E. Mey., Comm. Pl. Afr. Austr. 275, as to specimens cited. 1837.

The species is said by Sutton to grow 12 inches tall, with white flowers, and to be "rare"; Busse reports the flowers white to light-violet; Galpin says the flowers are white and the plant grows in scrub on banks. It has been collected at altitudes of 2800--4800 feet, blooming and fruiting from October to January and in April. It has been distributed in herbaria under the names Priva dentata Juss. and P. forskœlii E. Mey. The Drège 4728 specimen at Berlin is from Meyer's own herbarium and is inscribed by him "Priva Forskœlaei mihi". The Bachmann 1152 collection exhibits characters varying toward P. cordifolia var. abyssinica and is inscribed "Bluthen unscheinbar weiss und rothviolett". The Tyson collection from Kowie has rather large spine-like warts arranged in two parallel rows on its cocci.

Additional citations: TANGANYIKA TERRITORY: Busse 2145 (B). PORTUGUESE EAST AFRICA: Lourenço Marques: H. M. L. Forbes 51 (P); Junod 277 (Tm--20153), 301 (Br). INHAKA ISLAND: Breyer s.n. (Tm--20495). UNION OF SOUTH AFRICA: Cape of Good Hope: R. C. Alexander s.n. [C.B.S. 1847] (Af); Bachmann 1152 (B); Drège 4728 (B), a (P--cotype), c (B--cotype, P--cotype); E. K. Esdaile s.n. [F. A. Rogers 17130] (Af--22692); J. A. Fraser s.n. [Ft. Armstrong] (Ed); E. E. Galpin 3333 (Af--22695); Krebs s.n. [Cap bonae spei] (B); Meebold 11831 (Mu); Muir s.n. [Herb. Galpin 7757] (Af); Penther & Krook s.n. [Mukomanse; Penther 3098] (V); Schlechter 2598 (B); Thode A.2739 (Af--19441, Na--26057); Tyson s.n. [Kowie] (Af--22696), s.n. [Port Alfred; Herb. Marl. 8524; Herb. U. of S. Afr. Dept. Agric. 12652] (Af, Af). Natal: Breyer s.n. (Tm--16966); Bruyn 212 (Af--22701); Collector undesignated 380 (Af); H. M. L. Forbes 602 (Na--20955); E. E. Galpin 14782 (S); T. J. Jenkins

7067 (Tm); J. M. Wood s.n. [20-4-91] (Ed). Orange Free State: Pont 683 (Af--22698, Ut). Transvaal: Breyer s.n. [XII.1917] (Z), s.n. (Tm--17897, Tm--19516); J. B. Davy 15167 (N); E. E. Galpin 746 (Af--22694, Vt); Hapström & Acock 1254 (S); Leendertz 5981 (Tm), s.n. [I.09] (N); D. P. Murray 620 (Af--22699); Obermeyer s.n. (Tm--29235); Smuts & Gillett 3422 (Af--22693); Sutton 649 (Af); Verdoorn 697 (Af); Watt & Brandwijk 197 (Af--7180); Williams 7635 (Tm); R. G. N. Young A.594 (Tm), A.623 (Tm), s.n. (Tm--27230). LOCALITY OF COLLECTION UNDETERMINED: Flanagan 1731 [Komgha] (Af--22697); Sim 4122 (Af).

PRIVA MEYERI var. MADAGASCARIENSIS Moldenke

Literature: Moldenke, Phytologia 3: 276 & 294. 1950.

The variety is said to have lilac flowers and has been collected on gneiss rocks at an altitude of 700--1200 meters, blooming and fruiting in November.

Additional citations: MADAGASCAR: Humbert 6732 (F--photo of type, It--photo of type, N--fragment of type, N--photo of type, P--type, Z--photo of type).

PRIVA PEDICELLATA Moldenke

Literature: Moldenke, List Geogr. Distrib. 32. 1939; Phytologia 1: 429--430. 1940; Moldenke, Known Geogr. Distrib. Verbenac. 129 & 195. 1949.

Additional citations: BURMA: A. E. English s.n. (Ed--type, N--fragment of type, N--photo of type, Z--photo of type).

The collector notes that this plant "Differs from type in the long pedicels. The true P. leptostachya collected by Collett (no. 851) at Meiktila."

PRIVA PERUVIANA Moldenke

Literature: Moldenke in Fedde, Repert. 41: 23--24. 1936; Moldenke, Known Geogr. Distrib. Verbenac., ed. 1, 35 & 99. 1942, ed. 2, 73 & 195. 1949.

Additional citations: PERU: Amazonas: A. Mathews 3158 (P--isotype). Cajamarca: Raimondi 396 (B).

PRIVA SOCOTRANA Moldenke

Literature: Bayley Balfour, Trans. Roy. Soc. Edinb. 31: 232--233. 1888; Moldenke in Fedde, Repert. 41: 38--39. 1936; Moldenke, Known Geogr. Distrib. Verbenac., ed. 1, 53 & 99 (1942), ed. 2, 124 & 195. 1949.

My friend, W. T. Stearn, has kindly called my attention to the fact that the type collection of this species is cited by Balfour under "Priva leptostachya Juss." in his "Botany of Socotra" in the reference cited above, where he makes interesting comments on what he regards as variation in this genus. It is his opinion that the fruit characters used by authors are not sufficiently constant to warrant taxonomic recognition.

Additional citations: SOCOTRA: Balfour 542 (B--isotype).